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PPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/763,058	01/22/2004	Hiroshi Uno	1990.69202	3718
24978	7590 10/10/2006		EXAMINER	
•	RNS & CRAIN		KAPADIA,	VARSHA A
300 S WACK 25TH FLOOR			ART UNIT	PAPER NUMBER
CHICAGO, IL 60606			2627	

DATE MAILED: 10/10/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)				
		10/763,058	UNO ET AL.				
	Office Action Summary	Examiner	Art Unit				
		Varsha A. Kapadia	2627				
Period fo	The MAILING DATE of this communication apported to the communication apport.	pears on the cover sheet with the	correspondence address				
WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPL CHEVER IS LONGER, FROM THE MAILING D nsions of time may be available under the provisions of 37 CFR 1.1 SIX (6) MONTHS from the mailing date of this communication. O period for reply is specified above, the maximum statutory period tre to reply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailine ed patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION (36(a)). In no event, however, may a reply be will apply and will expire SIX (6) MONTHS from (6), cause the application to become ABANDON	ON. timely filed om the mailing date of this communication. NED (35 U.S.C. § 133).				
Status							
1)⊠	Responsive to communication(s) filed on 19 J	uly 2006.					
2a) <u></u> ☐	This action is FINAL . 2b)⊠ This action is non-final.						
3)							
	closed in accordance with the practice under be	Ex parte Quayle, 1935 C.D. 11,	453 O.G. 213.				
Disposit	ion of Claims						
4)⊠	. 4)⊠ Claim(s) <u>1-12</u> is/are pending in the application.						
,	4a) Of the above claim(s) is/are withdrawn from consideration.						
5)⊠	5) Claim(s) <u>1-6</u> is/are allowed.						
6)⊠	Claim(s) <u>7-12</u> is/are rejected.						
	Claim(s) is/are objected to.						
8)□	Claim(s) are subject to restriction and/o	or election requirement.					
Applicati	ion Papers						
9)[The specification is objected to by the Examine	er.					
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.							
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11)	The oath or declaration is objected to by the Ex	kaminer. Note the attached Offic	e Action or form PTO-152.				
Priority (under 35 U.S.C. § 119						
12)	Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. § 119(a)-(d) or (f).				
a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received.							
	Certified copies of the priority document		ation No.				
	3. Copies of the certified copies of the prio	• •					
	application from the International Bureau	u (PCT Rule 17.2(a)).	_				
* 5	See the attached detailed Office action for a list	of the certified copies not receive	ved.				
Attachmen	t(s)						
	e of References Cited (PTO-892)	4) 🔲 Interview Summa	ry (PTO-413)				
	e of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail 5) Notice of Informal	Date				
	mation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date	6) Other:	т акол струшавий				

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This office action is responsive to the communication filed on 07/19/06.

Rejection Under 35 U.S.C. 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 7-12 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. In the equalizing process including the convolution of (k-s*D)*(1+D)^n, the newly recited limitation i.e. "except k=1, s=1 and n=2" is not supported by the specification as originally filed. In fact, as described on page 44 of the specification, the values k=1, s=1 and n=2 are utilized in the examples shown.

Furthermore, the prior art rejection is not applied to the newly recited limitation, i.e. "except k=1, s=1 and n=2" until the rejection under 35 U.S.C. 112 is overcome.

Rejection Under 35 U.S.C. 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

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Claims 7-12 are rejected under 35 U.S.C. 102(b) as being anticipated by Reed et al (5,961,658).

With regards to claim 7, Reed et al discloses a signal processing method utilizing a partial response to record information on a medium and then regenerate the information from the medium (see fig. 2 and disclosure thereof), wherein a signal recorded on the medium is subjected to the convolution of (1-D) where D is a bit delay operator (See fig.6 element 152 disclosure thereof and col.11 lines 59-67); a regeneration signal from the medium is subjected to an equalizing process including the convolution of (k-s*D).(1+D)^n (see the paragraph bridging cols. 6 and 7; wherein k and s are considered to be 1).

With regards to claim 8, Reed et al discloses that the information is decoded from the equalized signal (see fig.2 elements 74,88 and 92 and disclosure thereof).

With regards to claims 9-12, the apparatus limitations recited in claims 9-12 and similar to the method limitations recited in claims 7-8. Therefore the rejection applied to method claims 7-8 above in this office action is herein repeated for the same reasons of anticipation.

Allowable Subject Matter

Claims 1-6 are allowed.

Applicant's claimed invention differs from the prior art of the record for the same reasons recited in the office action mailed on August 26, 2005.

Response to Remarks

Applicant's arguments with respect to claims 7-12 have been considered but are moot in view of the new ground(s) of rejection.

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Varsha A. Kapadia whose telephone number is (571) 272-7557. The examiner can normally be reached on Mon Tue and Thurs. from 6:30 AM to 2:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrea Wellington can be reached on 571 272 4483. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

VK

SUPERVISORY PATENT EXAMINER